# RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
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Application Serial Number: _____ 10/542, 128 _____
Source: _____ PCT _____
Date Processed by STIC: _____ 02/07/2006 _____

# ENTERED

RAW SEQUENCE LISTING    DATE: 02/07/2006
PATENT APPLICATION: US/10/542,128  TIME: 13:38:43

  Input Set : A:\00530-115US1.txt
  Output Set: N:\CRF4\02012006\J542128.raw

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 4 <110> APPLICANT: Chen, Lan Bo
 5          Auclair, Daniel
 7 <120> TITLE OF INVENTION: MRP3 GENES AND USES THEREOF
10 <130> FILE REFERENCE: 00530-115US1
12 <140> CURRENT APPLICATION NUMBER: US 10/542,128
13 <141> CURRENT FILING DATE: 2005-07-13
15 <150> PRIOR APPLICATION NUMBER: PCT/US2004/005335
16 <151> PRIOR FILING DATE: 2004-02-24
18 <150> PRIOR APPLICATION NUMBER: US 60/450,071
19 <151> PRIOR FILING DATE: 2003-02-25
21 <160> NUMBER OF SEQ ID NOS: 7
23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 2242
27 <212> TYPE: DNA
28 <213> ORGANISM: Homo sapiens
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33 ctggcatacc gctcgctcac gttcacatgc ttgcagagaa cgtacacaga cgaggtgact   180
34 gaagcctggt ctgcaggtca ggcaggtcat cctgatgcca gcttgtactg tcaaagagtc   240
35 acctaactgc aaacggaatt tttgtaaagc agatcacatt gttaatacct caggtggctc   300
36 aaaccttgaa cgcgttggca aacaaaaaac aatccagaaa ggtcaatttt cacaaaggtc   360
37 agtgtgcaca tgaatctact tgttaaaatg tacattttga ttcagtagac ctaggatggg   420
38 gctcaggact ctgcactttg atcaagactc cttggtacgc aaagtgtggc ccatgggcca   480
39 gttgcatcac catcctctgg gagcttgtta gaaatgaaga atctcaggtt ccaagtccca   540
40 cctcagacta cagaatccgg cgttgcattt taacaagatt ctctgggaag tcttatacat   600
41 attaaagttg gagaaacaga aaccaaggcg aggtggtcct tggttaagtc tgcactgtca   660
42 ctgcccaagg gagtcattcg ggattacagc cccagctggc atgcctgtgg gcttgatcca   720
43 ggcccacctg ggtcatccat gggctaggat cccatggatg ggcacatgat ccaggagtct   780
44 gaactcctcc caaagccatt acggtgggga ggggagatcg ccatacgtat aacccagtcc   840
45 ctttggccag gtgacatttg ctctgaactg gatgatacga atgatgtcag atttggaatc   900
46 taacatcgtg gctgtggaga gggtcaagga gtactccaag acagagacag aggcgccctg   960
47 ggtggtggaa ggcagccgcc ctcccgaagg ttggccccca cgtggggagg tggagttccg  1020
48 gaattattct gtgcgctacc ggccgggcct agaccggtg ctgagagacc tgagtctgca  1080
49 tgtgcacggt ggcgagaagg tggggatcgt gggcgcact ggggctggca agtcttccat  1140
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51 caatgtggca gacatcggcc tccatgacct gcgctctcag ctgaccatca tcccgcagga  1260
52 ccccatcctg ttctcggga ccctgcgcat gaacctggac cccttcggca gctactcaga  1320
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54 ggcaggcctg gacttccagt gctcagaggg cggggagaat ctcagcgtgg gccagaggca  1440
55 gctcgtgtgc ctggcccgag ccctgctccg caagagccgc atcctggttt tagacgaggc  1500
56 cacagctgcc atcgacctgg agactgacaa cctcatccag gctaccatcc gcacccagtt  1560
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 57 tgatacctgc actgtcctga ccatcgcaca ccggcttaac actatcatgg actacaccag   1620
 58 ggtcctggtc ctggacaaag gagtagtagc tgaatttgat tctccagcca acctcattgc   1680
 59 agctagaggc atcttctacg ggatggccag agatgctgga cttgcctaaa atatattcct   1740
 60 gagatttcct cctggccttt cctggttttc atcaggaagg aaatgacacc aaatatgtcc   1800
 61 gcagaatgga cttgatagca aacactgggg gcaccttaag attttgcacc tgtaaagtgc   1860
 62 cttacagggt aactgtgctg aatgctttag atgaggaaat gatccccaag tggtgaatga   1920
 63 cacgcctaag gtcacagcta gtttgagcca gttagactag tccccggtct cccgattccc   1980
 64 aactgagtgt tatttgcaca ctgcactgtt ttcaaataac gattttatga aatgacctct   2040
 65 gtcctccctc tgatttttca tattttctaa agtttcgttt ctgtttttta ataaaaagct   2100
 66 ttttcctcct ggaacagaag acagctgctg ggtcaggcca cccctaggaa ctcagtcctg   2160
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 68 ggtcaacaaa aaaaaaaaaa aa                                             2242
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 71 <211> LENGTH: 285
 72 <212> TYPE: PRT
 73 <213> ORGANISM: Homo sapiens
 75 <400> SEQUENCE: 2
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 79             20                  25                  30
 80 Glu Gly Ser Arg Pro Pro Glu Gly Trp Pro Pro Arg Gly Glu Val Glu
 81         35                  40                  45
 82 Phe Arg Asn Tyr Ser Val Arg Tyr Arg Pro Gly Leu Asp Leu Val Leu
 83     50                  55                  60
 84 Arg Asp Leu Ser Leu His Val His Gly Gly Glu Lys Val Gly Ile Val
 85 65              70                  75                  80
 86 Gly Arg Thr Gly Ala Gly Lys Ser Ser Met Thr Leu Cys Leu Phe Arg
 87             85                  90                  95
 88 Ile Leu Glu Ala Ala Lys Gly Glu Ile Arg Ile Asp Gly Leu Asn Val
 89             100                 105                 110
 90 Ala Asp Ile Gly Leu His Asp Leu Arg Ser Gln Leu Thr Ile Ile Pro
 91         115                 120                 125
 92 Gln Asp Pro Ile Leu Phe Ser Gly Thr Leu Arg Met Asn Leu Asp Pro
 93     130                 135                 140
 94 Phe Gly Ser Tyr Ser Glu Glu Asp Ile Trp Trp Ala Leu Glu Leu Ser
 95 145             150                 155                 160
 96 His Leu His Thr Phe Val Ser Ser Gln Pro Ala Gly Leu Asp Phe Gln
 97             165                 170                 175
 98 Cys Ser Glu Gly Gly Glu Asn Leu Ser Val Gly Gln Arg Gln Leu Val
 99             180                 185                 190
100 Cys Leu Ala Arg Ala Leu Leu Arg Lys Ser Arg Ile Leu Val Leu Asp
101         195                 200                 205
102 Glu Ala Thr Ala Ala Ile Asp Leu Glu Thr Asp Asn Leu Ile Gln Ala
103     210                 215                 220
104 Thr Ile Arg Thr Gln Phe Asp Thr Cys Thr Val Leu Thr Ile Ala His
105 225                 230                 235                 240
106 Arg Leu Asn Thr Ile Met Asp Tyr Thr Arg Val Leu Val Leu Asp Lys
107                 245                 250                 255
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109         260             265             270
110 Gly Ile Phe Tyr Gly Met Ala Arg Asp Ala Gly Leu Ala
111         275             280             285
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114 <211> LENGTH: 544
115 <212> TYPE: DNA
116 <213> ORGANISM: Homo sapiens
118 <400> SEQUENCE: 3
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120 ccttgcctga cacctcacag ttcaactgga gagaccccca tcagcaggag attgtgctgc     120
121 aggctgagca ggtctttgtg gctggagaaa caaaatgttt taaaagccca gaagagggac     180
122 tgggtgcagt ggctcacacc taatcccagc actttgggag gcggaggtgg gcggatcacc     240
123 tgaggccagg agctccagaa cagcctggcc aacatggtga aaccctatct ctacttaaat     300
124 acaaaaatta gccagccgtg gtggcgggca tctgtaatcc cagctactca ggaggctgag     360
125 gcaggagaat agcttgaacc tgggaggcag aggttgcagt gagccaagat cacgccactg     420
126 cactccagcc tgggtgacag agcgagactc catctcaaga gagaaaaaa aaaagtccag      480
127 aggagttttc ttgctttggg gtgttgtaga aatgatcttg agcttagcc ccaaaggaca      540
128 agga                                                                 544
130 <210> SEQ ID NO: 4
131 <211> LENGTH: 786
132 <212> TYPE: DNA
133 <213> ORGANISM: Homo sapiens
135 <400> SEQUENCE: 4
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137 aggcatctcc cgagtgcccc tccctgctca gtatgggcac cagccacagg gtctgttctc     120
138 aaggactgtg agaaaaaaaa aaaaagaaaa aaatcattga gttgacaagt ttataaccac     180
139 acaccatggc tggatgttcc tactttcctt ccccaagaag cccatgttct cacattcaga     240
140 aagaattctg ttgaataatc tctgtcctca aaccccacat ctctctcctg ctcagccgtc     300
141 gaccttgcct gacacctcac agttcaactg gagagacccc catcagcagg agattgtgct     360
142 gcaggctgag caggtctttg tggctggaga aacaaaatgt tttaaaagcc cagaagaggg     420
143 actgggtgca gtggctcaca cctaatccca gcactttggg aggcggaggt gggcggatca     480
144 cctgaggcca ggagctccag aacagcctgg ccaacatggt gaaaccctat ctctacttaa     540
145 atacaaaaat tagccagccg tggtggcggg catctgtaat cccagctact caggaggctg     600
146 aggcaggaga atagcttgaa cctgggaggc agaggttgca gtgagccaag atcacgccac     660
147 tgcactccag cctgggtgac agagcgagac tccatctcaa gagagaaaaa aaaaaagtcc     720
148 agaggagttt tcttgctttg gggtgttgta gaaatgatct tggagcttag ccccaaagga     780
149 caagga                                                               786
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152 <211> LENGTH: 263
153 <212> TYPE: DNA
154 <213> ORGANISM: Homo sapiens
156 <400> SEQUENCE: 5
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158 cgtgatcttg gctcactgca acctctgcct cccaggttca agctattctc ctgcctcagc     120
159 ctcctgagta gctgggatta cagatgcccg ccaccacggc tggctaattt ttgtatttaa     180
160 gtagagatag ggtttcacca tgttggccag gctgttctgg agctcctggc ctcaggtgat     240
161 ccgcccacct ccgcctccca aag                                            263
163 <210> SEQ ID NO: 6
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164 <211> LENGTH: 20
165 <212> TYPE: DNA
166 <213> ORGANISM: Artificial Sequence
168 <220> FEATURE:
169 <223> OTHER INFORMATION: Primer
171 <400> SEQUENCE: 6
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175 <211> LENGTH: 20
176 <212> TYPE: DNA
177 <213> ORGANISM: Artificial Sequence
179 <220> FEATURE:
180 <223> OTHER INFORMATION: Primer
182 <400> SEQUENCE: 7
183 tccttgctaa gctccaagat                                        20

**VERIFICATION SUMMARY**      DATE: 02/07/2006
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